



MEETING THE PROJECT MANAGEMENT CHALLENGE

2004
Biography

Dr. Michael Stamatelatos

Director, Safety and Assurance Requirements Division (QS), NASA OSMA

Dr. Stamatelatos is Director of QS Division in NASA's Office of Safety and Mission Assurance that is responsible for safety, risk, reliability, and quality assurance policy and requirements as well as for methods, computer tools, and training in these technical areas.

Previously, Dr. Michael Stamatelatos was Manager of Risk Assessment in NASA's Office of Safety and Mission Assurance at NASA Headquarters. In that capacity, he was responsible for the development and application of risk assessment policy as well as for coordinating, overseeing, and integrating risk assessment programs and activities across the Agency.

Dr. Stamatelatos received Ph. D., M.S., and B.S. degrees in Nuclear Science and Engineering from Columbia University, New York. From 1969 to 2000, Dr. Stamatelatos has held positions in academia, national laboratory, and industry: Assistant Professor of Physics at the Cooper Union School of Engineering and Science in New York; Staff Scientist at the Los Alamos National Laboratory; Manager of Radiation Applications at the Science Applications International Corporation; Manager of Safety, Risk and Reliability at the General Atomic Company in San Diego; Director of Survivability/Vulnerability at ASI Systems International; President of STAMCO, a small consulting engineering company; Vice President of SCIENTECH, Inc., a consulting engineering company with offices throughout the US and abroad.

Dr. Stamatelatos has also served as: Safety and Reliability Expert for the International Atomic Energy Agency (IAEA) in Vienna, Austria; US representative to an IAEA panel on Probabilistic Risk Assessment (PRA) for research and test reactors; National Science Foundation (NSF) panel review expert on PRA methods; Expert review panelist for the Savannah River PRA; PRA Advisor to the Swiss Federal Research Institute in Wuerenlingen, Switzerland; Industry Advisor to the Joint Technical Coordinating Group for Aircraft Survivability (JTCG/AS); President and Council Member of the California Chapter of the Society for Risk Analysis; Executive Committee Member of the ASME SERAD.

Dr. Stamatelatos has had more than twenty years experience in managing programs on probabilistic risk and reliability assessment for complex technological systems including: aerospace systems; nuclear high-level waste repositories; petrochemical plants; chemical munitions demilitarization facilities; research and test nuclear reactors; US thermionic nuclear space power reactors in the kilowatt to multi-megawatt power range; US commercial nuclear power plants (PWRs and BWRs); US DOE reactors (at Hanford and Savannah River) and other nuclear facilities; Soviet-designed nuclear power plants (of the VVER and RBMK types); Soviet nuclear weapons reactors of the channel type. He has taught courses on quantitative risk and reliability methods and applications (as a university professor) as well as industrial and short PRA and reliability courses in the US, Russia, Ukraine, Romania, and Bulgaria. He has also taught industrial courses on Management Decision Analysis Methods and on the Statistical Design of Experiments in the US and abroad. He has conducted numerous practitioner and management courses on Probabilistic Risk Assessment for aerospace applications. He is co-author of two books, a Probabilistic Risk Assessment Procedures Guide and a Fault Tree Handbook, and author or co-author of more than one hundred technical papers and reports. October, 2003



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